p1103: Expand Product of Linear Binomials (v25)

Question 1

Expand the product of linear binomials. $(x - 7)(x + 8)$

$$x^2 + 8x - 7x - 56$$

$$x^2 + x - 56$$

Question 2

Expand the product of linear binomials. $(x - 9)(x - 8)$

$$x^2 - 8x - 9x + 72$$

$$x^2 - 17x + 72$$

Question 3

Expand the product of linear binomials. $(x + 6)(x - 4)$

$$x^2 - 4x + 6x - 24$$

$$x^2 + 2x - 24$$

Question 4

Expand the product of linear binomials. $(8x - 3)(-9x - 8)$

$$-72x^2 - 64x + 27x + 24$$

$$-72x^2 - 37x + 24$$

Question 5

Expand the product of linear binomials. $(-9x + 8)(2x - 9)$

$$-18x^2 + 81x + 16x - 72$$

$$-18x^2 + 97x - 72$$

Question 6

Expand the product of linear binomials. $(x - 9)(x - 5)$

$$x^2 - 5x - 9x + 45$$

$$x^2 - 14x + 45$$

Question 7

Expand the product of linear binomials. $(-5x + 4)(4x + 8)$

$$-20x^2 - 40x + 16x + 32$$

$$-20x^2 - 24x + 32$$

Question 8

Expand the product of linear binomials. $(x + 1)(x - 9)$

$$x^2 - 9x + x - 9$$

$$x^2 - 8x - 9$$

Question 9

Expand the product of linear binomials. $(2x - 9)(8x - 9)$

$$16x^2 - 18x - 72x + 81$$

$$16x^2 - 90x + 81$$

Question 10

Expand the product of linear binomials. $(7x - 3)(8x - 8)$

$$56x^2 - 56x - 24x + 24$$

$$56x^2 - 80x + 24$$